Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in

the application:

Listing of Claims:

1. (Currently amended): A pressure sensor device comprising:

a supporting substrate;

a sensor substrate made of a piezoelectric material, having a lower

surface on which a sensor section formed of a surface acoustic wave element for

detecting pressure is formed; and

a sealing member that is joined to an upper surface of the supporting

substrate and the lower surface of the sensor substrate and forms a sealing space

for sealing the sensor section between the substrates.

2. (Canceled)

3. (Previously presented): The pressure sensor device according to Claim

1, wherein an inert gas fills in the sealing space.

(Currently amended): The pressure sensor device according to Claim 4.

[[2]] 1, wherein the sensor substrate is made of a piezoelectric material, and the

surface acoustic wave element for detecting pressure is formed by forming an IDT

electrode on a surface of the sensor substrate.

5. (Previously presented): The pressure sensor device according to Claim

1, wherein

electrode pads to be electrically connected to the sensor section are

provided within the sealing space on the lower surface of the sensor substrate, and

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connecting pads to be electrically connected to the electrode pads via conductive bonding members are provided within the sealing space on the upper surface of the supporting substrate.

- 6. (Previously presented): The pressure sensor device according to Claim 1, wherein the sealing member is made of a conductor material, and is electrically connected to ground terminals provided on the supporting substrate.
- 7. (Previously presented): The pressure sensor device according to Claim 1, wherein a concave portion is formed above the sensor section on the upper surface of the sensor substrate.
- 8. (Original): The pressure sensor device according to Claim 7, wherein a surface acoustic wave element for reference for comparing output signals of the same and the surface acoustic wave element for detecting pressure is provided on the lower surface of the sensor substrate positioned out of the concave portion forming region within the sealing space.
- 9. The pressure sensor device according to Claim 8, (Original): comprising:
- a first oscillating circuit that oscillates at a predetermined frequency based on a resonance frequency of the surface acoustic wave element for detecting pressure;
- a second oscillating circuit that oscillates at a predetermined frequency based on a resonance frequency of the surface acoustic wave element for reference;
- a difference generating circuit that generates and outputs a conversion signal by comparing an oscillation signal from the first oscillating circuit with an oscillation signal from the second oscillating circuit; and

a modulation circuit that modulates the conversion signal from the difference generating circuit and the oscillation signal from the second oscillating circuit and outputs these to the outside.

- 10. (Original): The pressure sensor device according to Claim 8, comprising:
- a first oscillating circuit that oscillates at a predetermined frequency based on delay time of an electrical signal generated by the surface acoustic wave element for detecting pressure;
- a second oscillating circuit that oscillates at a predetermined frequency based on delay time of an electrical signal generated by the surface acoustic wave element for reference;
- a difference generating circuit that generates and outputs a conversion signal by comparing an oscillation signal from the first oscillating circuit with an oscillation signal from the second oscillating circuit; and
- a modulation circuit that modulates the conversion signal from the difference generating circuit and the oscillation signal from the second oscillating circuit and outputs these to the outside.
- 11. (Original): The pressure sensor device according to Claim 9, wherein the both elements are arranged in line by interposing a reflector therebetween, and the reflector is shared by the surface acoustic wave elements disposed on both sides of the reflector.
- 12. (Previously presented): The pressure sensor device according to Claim 9, wherein a damping member that blocks transmission of surface acoustic waves or

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lowers the intensities of surface acoustic waves is disposed between the elements on

the sensor substrate.

13. (Previously presented): The pressure sensor device according to Claim

9, wherein the elements are arranged on the sensor substrate so that the surface

acoustic wave propagation directions of the elements are parallel to each other and

the elements are placed in a direction orthogonal to the surface acoustic wave

propagation directions.

14. (Previously presented): The pressure sensor device according to Claim

9, wherein the resonance frequency of the surface acoustic wave element for

detecting pressure and the resonance frequency of the surface acoustic wave

element for reference are different from each other.

15. (Previously presented): The pressure sensor device according to Claim

9, wherein an IC chip includes the first oscillating circuit, the second oscillating

circuit, the difference generating circuit, and the modulation circuit, and the IC chip

and the elements are mounted on the same substrate.

(Currently amended): The pressure sensor device according to Claim

[[1]] 4, wherein

16.

the sensor substrate is made of a piezoelectric material,

the sensor section is formed of a surface acoustic wave element, and

a thickness of the sensor substrate positioned immediately below the

reflector near the IDT electrode is almost equal to that of the region immediately

below the IDT electrode, and is gradually increased with distance from the IDT

electrode.

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17. (Original): The pressure sensor device according to Claim 16, wherein the thickness of the sensor substrate positioned immediately below the IDT electrode is less than the thickness of the sensor substrate positioned immediately

below the reflector.

18. (Previously presented): The pressure sensor device according to Claim 9, wherein an electronic part element including a part of the oscillating circuits is

disposed on the supporting substrate.

19. (Original): The pressure sensor device according to Claim 18, wherein

the electronic part element is mounted on the upper surface of the supporting

substrate.

20. (Original): The pressure sensor device according to Claim 18, wherein

a concave portion is formed on the upper surface or lower surface of the supporting

substrate within the sealing space, and an electronic part element including the

oscillating circuits is embedded in the concave portion.

21. (Original): The pressure sensor device according to Claim 20, wherein

the concave portion is formed on the upper surface of the supporting substrate.

22. (Original): The pressure sensor device according to Claim 18, wherein

one end side of one of the sensor substrate and the supporting substrate is extended

to form an extended portion while it is spaced from the other substrate, and at the

extended portion, an acceleration detecting element for detecting acceleration is

provided.

23. (Original): The pressure sensor device according to Claim 22, wherein

the extended portion is formed on the sensor substrate.

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24. (Previously presented): The pressure sensor device according to Claim 22, comprising:

a transmission circuit that transmits a signal modulated from the conversion signal by the modulation circuit to the outside;

an acceleration detecting circuit that outputs a predetermined electrical signal based on an acceleration detection signal from the acceleration detecting element;

power supply means for supplying power to the transmission circuit; and

a power supply control circuit that controls power supply from the power supply means to the transmission circuit, wherein

the power supply control circuit controls power supply from the power supply means based on whether the acceleration has exceeded a threshold.

- 25. (Previously presented): The pressure sensor device according to Claim 22, wherein the acceleration detecting element is formed of a surface acoustic wave element.
- 26. (Previously presented): The pressure sensor device according to Claim 18, wherein an antenna element to be electrically connected to the electronic part element is mounted on the upper surface of the supporting substrate and/or the lower surface of the sensor substrate.
- 27. (Original): The pressure sensor device according to Claim 26, wherein the antenna element is mounted outside of the sealing space.
- 28. (Previously presented): The pressure sensor device according to Claim 18, wherein an antenna pattern to be electrically connected to the electronic part

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element is deposited onto the upper surface of the supporting substrate and/or the lower surface of the sensor substrate.

- 29. (Original): The pressure sensor device according to Claim 28, wherein the antenna pattern is mounted outside of the sealing space.
- 30. (Previously presented): The pressure sensor device according to Claim 18, wherein an antenna pattern to be electrically connected to the electronic part element is deposited onto the upper surface of the sensor substrate.
- 31. (Original): The pressure sensor device according to Claim 30, wherein the antenna pattern is formed in a region except for a region immediately above the surface acoustic wave element for detecting pressure.
- 32. (Previously presented): The pressure sensor device according to Claim 28, wherein the antenna pattern has a meandered form.